



**COUNTY OF LOS ANGELES
FIRE DEPARTMENT
FIRE PREVENTION DIVISION**

CELLULOSE NITRATE STORAGE PERMIT REQUIREMENTS

Article 1, section 105 of the Los Angeles County Fire Code states... a permit shall be obtained from the Fire Prevention Division prior to engaging in the following... to store or handle more than 25 pounds (11.3kg) of cellulose nitrate plastic (pyroxylin) for the manufacturing or assembly of articles or parts of articles containing cellulose nitrate plastics (pyroxylin). See Article 27. Additional requirements may be applicable.

STORAGE AND HANDLING Raw cellulose nitrate plastic (pyroxylin) material in a factory building shall be kept and handled as follows:

1. Where raw material in excess of 25 pounds (11.3kg) is received in a building or fire area, an approved vented cabinet or approved vented vault equipped with an approved automatic fire sprinkler system shall be provided for the storage of the material.
2. Cabinets in any one workroom shall not contain more than 1,000 pounds (453.6kg) of raw material. Each cabinet shall contain not more than 500 pounds (226.8kg). Each compartment shall not contain more than 500 pounds (226.8kg).
3. Raw material in excess of that allowed by Item 2 above shall be kept in vented vaults not exceeding 1,500-cubic-foot capacity (42.5m³), with one approved automatic sprinkler head to each 125 cubic feet (3.5m³) of total vault space, and with construction and venting in conformance with nationally recognized standards and as approved by the chief.
4. Cellulose nitrate plastic (pyroxylin) shall not be stored within 2 feet (610 mm) of heat-producing appliances, steam pipes, radiators or chimneys.
5. In factories manufacturing articles of cellulose nitrate plastics (pyroxylin), such sprinklered and vented cabinets, vaults or storage rooms, approved by the chief, shall be provided as are necessary to prevent the accumulation in workrooms of raw stock in process or finished articles.
6. In workrooms of cellulose nitrate plastic (pyroxylin) factories, operators shall not be stationed closer than 3 feet (914 mm), and the amount of material per operator shall not exceed one-half day's supply and shall be limited to the capacity of three tote boxes, including material awaiting removal or use.
7. Waste cellulose nitrate plastic (pyroxylin) materials such as shavings, chips, turnings, sawdust edgings and trimmings shall be kept under water in metal receptacles until removed from the premises.

DISPLAY OF PLASTICS Displays of cellulose nitrate plastic (pyroxylin) articles in stores shall be in showcases or show windows except as allowed below:

1. Articles are allowed to be placed on tables less than 3 feet (914mm) wide and 10 feet (3048mm) long. Tables shall be spaced at least 3 feet (914mm) apart. Where articles are displayed on counters, they shall be arranged in like manner.
2. Spaces underneath tables shall be kept free of storage of any kind and of any accumulations of paper, refuse and other combustible material.
3. Sales or display tables shall be so located that in the event of a fire at the table, the table will not interfere with free means of egress from the room, in at least one direction.
4. Lighting shall not be located directly above cellulose nitrate plastic (pyroxylin) material, unless provided with a suitable guard to prevent heated particles from falling.

FIRE PROTECTION EQUIPMENT The manufacture and storage of articles of cellulose nitrate plastic (pyroxylin) in quantities exceeding 100 pounds (45.4 kg) shall be located in a building or portion thereof equipped with an approved automatic sprinkler system.

SOURCES OF IGNITION Sources of ignition shall not be located in rooms in which cellulose nitrate plastic (pyroxylin) in excess of 25 pounds (11.3kg) is stored or handled. Rooms in which cellulose nitrate plastic (pyroxylin) in excess of 25 pounds (11.3kg) is handled or stored shall be heated by low-pressure steam or hot-water radiators.

Additional

Requirements _____

3/2003